

ACC NR: AP6022221

SOURCE CODE: UR/0362/66/002/006/0630/0635

AUTHOR: Belyayev, V. I.; Vyal'tsev, V. V.; Pavlova, I. S.

ORG: Marine Hydrophysics Institute (Morskoy gidrofizicheskiy institut)

TITLE: An experiment of weather modification by seeding of fog with dry ice

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 2, no. 6, 1966, 630-635

TOPIC TAGS: weather modification, fog, atmospheric temperature gradient

ABSTRACT: The weather modification by fog seeding from an aeroplane on Jan 12 1961 in the district of Nal'chik is described and analyzed. The city, district, and the northern Caucasus were surrounded by uniform meteorologic conditions and the fog was defined as a type lasting usually to the afternoon and sometimes for several days. The wind direction and velocity were defined by circular seeding. Clearing over city and airport were achieved by seeding in and against the wind direction, and the resulting clearing was supported by additional approaches from the wind-exposed direction. Temperatures at ground level increased during the experiment from -4.6 C at 8.35 a.m. to 3 C at 1 p.m. The contribution of the seeding experiment to the atmospheric radiation balance and temperature increase was analyzed. The heat ΔQ , entering the lower atmosphere due to the clearing, was estimated as $5.3 \cdot 10^{13}$ cal.

Card 1/2

UDC: 551.509.615

ACC NR: AP6022221

The analysis indicated that fog seeding may cause a considerable increase in temperatures near ground level in southern regions of the Soviet Union. Orig. art. has: 4 formulas, 1 table, and 3 figures.

SUB CODE: 04/ SUBM DATE: 14Jul65/ ORIG REF: 005

Card 2/2

USSR/General and Special Zoology - Insects.

P.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30596

Author : Vyal'tseva, T.V.

Inst : -

Title : Introduction of Hexachloran into the Soil -- an Economical Method of Controlling the Phytonomus.

Orig Pub : Zashchita rast. ot vredit. i bolezney, 1957, No 1, 18-19.

Abstract : A mixture of 40 kg HCCH with 300 kg of superphosphate (S) per one hectare was administered in one field with a fertilizer sowing machine. Another field (also of three - year lucerne equally infected with phytonomus) was dusted with HCCH, while S was administered separately. In six weeks 13% plants were infected with insects on the first field and the larvae per stem were 0.14% on the average; on the second field the infected plants were 73.4% of all the plants and there were 0.93% larvae per stem. The average height of the stems on the first field was 61.4 sm

Card 1/2

USSR/General and Special Zoology - Insects.

P.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30596

and the weight of the stems was 715 g; on the second field the average height was 47.6 sm and the weight of the stems was 431 g. In general, the economy (in labor and material) resulting from the simultaneous introduction into the soil of HCCH and S was 37 rubles / one g.

Card 2/2

- 25 -

VYALUKHIN, G.I.

Concretions in Jurassic and lower Cretaceous sediments of the
Northern Sosva Basin, their facies, and correlative value. Trudy
Gor.-geol. inst. UFAN SSSR no. 32:121-134 '59. (MIRA 14:5)
(Northern Sosva Valley--Geology, Stratigraphic)

VYALUKHIN, G.I.

Mineral neogenic formations in the Mesozoic of the sub-Arctic
trans-Urals. Trudy Inst. geol. UFAN SSSR no.70:291-296 '65.
(MIRA 18:12)

VYALUKHIN, G.I.

Effect of tectonics on the nature of Mesozoic sedimentation in
the subarctic Ural Mountain region in connection with the estimation
of prospects for finding oil, gas, and coal. Trudy Inst. geol.
UPAN SSSR no.63:141-160 '62. (MIRA 16:12)

VYALUKHIN, G.I.; SHEINA, Z.G.

Swelling as a diagnostic feature in determining the mineral
composition of clays. Trudy Gor.-geol.inst. UFAN SSSR no.56:155-159
'61. (MIRA 15:7)

(Clay--Analysis)

VYALUKHIN, G.I.

Fossilized wood from Cretaceous sediments in the Lyapin region.
Trudy Gor.geol.inst.UFAN SSSR no.6:135-140 '60. (MIRA 14:10)
(Yatriya Valley—Treps, Fossil)

YALUZHIN, P.M.; GUREVICH, L.R.; ZIN'KOVA, Z.M.; PSELEV, V.S.

Efficient diagram of grinding and classification of microsection
powders. Steklo ker. 14 no.7:23-25 JI '57. (MIR. 14:6)

1. Moskovskiy stekol'nyy zavod.

(Glass manufacture--Equipment and supplies)

Vyalukhin, P. N.

USSR/Miscellaneous - Machine shop practices

Card 1/1 : Pub. 103 - 24/29

Authors : Andrianov, V. P.; Vyalukhin, P. N.; and Ippolitov, G. M.

Title : Consultation. Elutriation of micro-powders

Periodical : Stan. i instr. 9, page 38, Sep 1954

Abstract : Question and answers on how to organize the elutriation of micro-powders under workshop conditions are presented. Table; drawing.

Institution : ...

Submitted : ...

VYALUKHIN, P.N.; IPPOLITOV, G.M.

Consultation. Stan. 1 instr. 25 no.9:38 S '54. (MLRA 7:11)
(Grinding and polishing)

S/258/62/002/004/014/019
EO81/E135

AUTHORS: Zhukov, A.M., and Vyalukhina, S.D. (Moscow)
TITLE: Mechanical properties of a glass plastic at room temperature

PERIODICAL: Inzhenernyy zhurnal, v.2, no.4, 1962, 330-336

TEXT: Some results are available on the behaviour of these plastics in bending, but not in pure compression-tension. The present experiments were carried out on the glass plastic CT9P-1-30 (STER-1-30), made from satin and epoxy-phenol resin. Values are reported for the basic strength characteristics in tension: Young's modulus, Poisson's ratio, proportional limit, ultimate strength, and extension at break. The methods of preparing and testing the specimens are described, and stress-strain curves are given for specimens of various orientations. The variability of the different strength properties is tabulated. The theoretical change of properties with orientation is calculated on the assumption that the material is orthotropic, and reasonable agreement is obtained between calculated and measured values. Strain-time curves are reproduced for specimens of

Card 1/2

Mechanical properties of a glass ...

S/258/62/002/004/014/019
E081/E135

different orientations, and the creep curves fitted by an equation of the form

$$\epsilon = Bt^k$$

where ϵ is the creep strain, t is time, and B and k are constants. Values of k for different orientations vary between 0.3 and 0.36. The recovery curves are also given and fitted by an equation of the form

$$\epsilon = \epsilon_0 (1 + \lambda t^p)$$

Mean values of λ and p are 0.13 and 0.15 respectively. There are 9 figures and 2 tables.

ASSOCIATION: Institut mekhaniki AN SSSR
(Institute of Mechanics, AS USSR)

SUBMITTED: December 23, 1961

Card 2/2

KOROTOV, S.Ya.; LIVEROVSKIY, A.A.; KIPRIANOV, A.I.; VYAL'YAK, K.E.

Distillation of pyrogenic wood tar in tubular furnaces.
Gidroliz. i lesokhim. prom. 14 no.8:7-8 '61. (MIRA 16:11)

1. Leningradskaya lesotekhnicheskaya akademiya im S.M. Kirova
(for Korotov, Liverovskiy, Kiprianov). 2. ~~Slantsepererabaty-~~
vayushchiy kombinat im. V.I.Lenina (for Vyal'yak).

L-10624-66 EWT(m)/ETC/EPF(n)-2/ENG(m)/EWP(t)/EWP(b) LJP(c) RDW/JD/KH/JG
 ALL RPT AR5023527 SOURCE CODE: UR/0275/65/000/008/BO38/BO39

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 6B311 41

AUTHOR: Vyal'yanyae, G.; Kukk, V.; Rokhepapp, Yu.; Khaak, Kh.; Khaynrikhsen, V. 0

TITLE: Some problems in manufacturing from mercury selenide and testing film-type Hall generators

CITED SOURCE: Tr. Tallinsk. politekhn. in-ta, Seriya A, No. 213, 1964, 3-12

TOPIC TAGS: Hall generator, mercury compound, selenide 21 21

TRANSLATION: Experimental lots of HgSe film-type Hall generators were prepared by a vacuum vaporization method without disturbing the vacuum during the manufacturing process. It is proven that the generators with zinc contacts have higher stability than those with silver-paste contacts. Principal parameters of HgSe generators are tabulated. Bib 7.

SUB CODE: 10

Card 1/1

UDC: 621.382.61:546.23:49

L 31050-66 EWT(m)/EWP(t)/ETI LIP(c) JD
 ACC NR: AR5028230 SOURCE CODE: UR/0272/65/000/008/0135/0135
 AUTHOR: Vyal'yamyae, G.; Kukk, V.; Røkhepapp, Yu.; Khaak, Kh.;
 Kheyndrikhsen, V. ¹³ R
 TITLE: Some problems in the preparation and study of a mercury
 selenide Hall film transmitter
 SOURCE: ¹ Ref. zh. Metrologiya i izmeritel'naya tekhnika, Abs. 8.32.938
 REF SOURCE: Tr. Tallinsk, politekhn. in-ta, v. A., no. 213, 1964,
 3-12
 TOPIC TAGS: Hall effect, metal film, mercury, ^{compound} ~~as~~, zinc plating,
 selenide, Hall transmitter
 ABSTRACT: Experimental samples of mercury selenide Hall film trans-
 mitters were prepared by the vacuum process method without interrup-
 tion of the vacuum during the operation. The study showed that it is
 advisable to make the contacts of zinc. The stability of the trans-
 mitters with zinc contacts is higher than with contacts made of silver
 paste. Moreover, the contacts were not previously (before the paste
 was applied) exposed to air. A table giving the basic parameters of
 HgSe transmitters and their various characteristics is also included.
 SUB CODE: 2009 ~~21~~ / SUBM DATE: none
 Card 1/1 ^{pld} UDC 389.621.317.7:621.382.61

L 2716-66 ENT(1) IJP(c) AT/EE

ACC NR: AT6019252

SOURCE CODE: UR/2807/65/000/220/0049/0053

AUTHOR: Vyalyayao, G.; Khoynrikhoen, V.

ORG: none

TITLE: Investigation of a Hall generator whose area is partly penetrated by magnetic flux

SOURCE: Tallin. Politekhicheskiy institut. Trudy, Seriya A, no. 220; 1965. Trudy po elektrotehnike i avtomatiko (Works on electrical engineering and automation) Sbornik statei, no. 3, 49-53

TOPIC TRGS: Hall generator, Hall effect

ABSTRACT: The results are briefly reported of an experimental investigation of a HgSe-film Hall generator whose area was partly penetrated by a concentrated magnetic flux. A large-area Hall plate was placed between a changeable-pole-piece electromagnet; the plate could be moved along both coordinate axes. A very high sensitivity of the generator in the area between the Hall-voltage electrodes was discovered. This sensitivity did not change when the Hall-voltage and control-current electrodes were exchanged. Curves of the Hall voltage vs. magnetic flux position and its width are shown, as is a pattern of equipotential lines between the electrodes. Orig. art. has: 5 figures and 1 formula. (03)

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 004 / OTH REF: 003 / ATD PRESS: 5023
Card 1/1 JJ UDC: 621.382.61

9.4370

S/194/61/000/010/002/082
D256/D301

AUTHOR:

Vyal'yamyae, G.Kh.

TITLE:

A possibility of applying the Hall-effect for continuous permeameter measurements of magnetic properties of magnetically weak materials

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 10, 1961, 6, abstract 10 A46 (Trudy Tallinsk. politekhn. in-ta, 1960, A, no. 180, 20)

TEXT:

Two basic arrangements of the instrument are proposed. The permeameter can also be utilized in electronic-modelling arrangements as functional converter for obtaining hysteresis characteristics of ferromagnetic materials. Expressions are given for determining by means of the Hall-effect magnetic inductions and the strengths of magnetic fields. [Abstracter's note: Complete translation]

✓B

Card 1/1

VYAL'YAMYAE, G. Kh.

Cand Tech Sci - (diss) "Application of the Hall effect for measurement of magnetic properties of ferromagnetic /magnitovyagkiye/ materials in the permeameter." Leningrad, 1961. 12 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Electrical Engineering Inst imeni V. I. Ul'yanov-Lenin); 200 copies; price not given; bibliography at end of text; (KL, 5-61 sup, 188)

VYAL'YANTS, KH. YA.

VYAL'YANTS, KH. YA.- "Long Life of the Cultivated Pastures in the Estonian SSR and the Factors Contributing to it." Acad Sci Estonian SSR, Division of Biological, Agricultural, and Medical Sciences, Tartu, 1955 (Dissertations for Degree of Candidate of Agricultural Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

VYAL'YAOTS, O. [Valjaots, O.]; ASINOVSKIY, M.

Issuring credit to nonserial machinery manufacturing enterprises.

Den.1 kred. 19 no.6:5-55 Je '61.

(MIRA 14:5)

1. Nachal'nik finansovogo otdela Estonskogo sovnarkhoza (for Vyal'yaots). 2. Nachal'nik finansovogo otdela Izhorskogo mashinostroitel'nogo zavoda im. A.Zhdanova (for Asinovskiy).

(Machinery industry--Finance)

MERKULOV, N. (g.Gor'kiy); RYS', A.; VYAL'YATAGA, Yu. [Valjataga, J.]
(Tallin); FROLOV, V.; SAFONOV, V.; KOLESNIK, V.; KALININ, V.;
ROGOV, A. (g.Gorodets Gor'kovskoy obl.); VOINOV, B. (g.Salekhard)

From the editors' mail. Sots.trud 7 no.7:141-144, J1 '62.
(MIRA 15:8)

1. Glavnyy inzh. normativno-issledovatel'skoy laboratorii Glavnogo
upravleniya mestnoy promyshlennosti pri Sovete Ministrov Belo-
russkoy SSR (for Rys'). 2. Yuriskonsul't yuridicheskoy konsul'-
tatsii Ivanovskogo oblastnogo soveta professional'nykh soyuzov
(for Frolov). 3. Zamostitel' nachal'nika otдела truda zavoda
"Krasnoye Sormovo" (for Safonov). 4. Nachal'nik otдела truda
Gosudarstvennogo tresta po vyrashchivaniyu sakharnoy svekly
Krasnodarskogo sovnarkhoza (for Kolesnik). 5. Nachal'nik otдела
truda i zarabotnoy platy tresta "Astrakhanpromstroy" (for Kalinin).
(Steel industry--Quality control)
(Production standards--Research)
(Wages)

VYALYKH, M.F.; SEVERIN, S.Ye.

Labile phosphorus compounds in the cardiac muscle of a rabbit
affected with aortic stenosis. Dokl. AN SSSR 136 no.2:483-486 '61.
(MIRA 14:1)

1. Institut farmakologii i khimioterapii Akademii meditsinskikh
nauk SSSR. 2. Chlen-korrespondent AN SSSR (for Severin).
(HEART--MUSCLE) (CREATINEPHOSPHORIC ACID)
(AORTA--DISEASES)

MEDELYANOVSKIY, A.N.; VYALYKH, M.F.; BOGDANOVA, Ye.V.; FROLOV, V.A.;
KISELEV, O.I.

Data from a selective study of the chemical composition
of the heart of homiotherms during systole and diastole.
Vop. med. khim. 9 no.5:518-521 S-O '63. (MIRA 17:1)

1. Laboratoriya biokhimi Institute farmakologii AMN SSSR
i kafedra patofiziologii I Moskovskogo ordena Lenina medi-
tsinskogo instituta, Moskva.

VYALYKH, M.F.

Oxygen absorption and phosphorylation in heart tissue homogenates
in experimental aortic stenosis in the rabbit. Vop. med. khim.
7 no.6:625-628 N-D '61. (MIRA 15:3)

1. Laboratory of Biochemistry, Institute of Pharmacology and
Chemotherapy, Academy of Medical Sciences of the U.S.S.R. and
Chair of Animal Biochemistry of the Moscow State University.

(HEART--MUSCLE)

(PHOSPHORYLATION)

(AORTA--DISEASES)

(OXYGEN IN THE BODY)

VYALYKH, M.F.; LUTSENKO, N.G.

Acetone bodies in the myocardium in aortic stenosis in rabbits.
Vop. med. khim. 7 no.2:186-190 Mr-Apr '61. (MIRA 14:6)

1. Laboratory of Biochemistry of the Institute of Pharmacology and
Chemotherapeutics, Academy of Medical Sciences of the U.S.S.R.,
and the Chair of Biochemistry of the Soil and Biology Faculty of
Moscow State University.

(ACETONE BODIES)

(HEART—MUSCLE)

(AORTA—DISEASES)

VYALYKH, M.F.; MEYERSON, F.Z.

Metabolic processes in the myocardium in experimental cardiac defect. Vop.med.khim. 6 no.1:19-24 Ja-F '60. (MIRA 13:5)

1. Chair of Clinical and Experimental Physiology of the Central Institute of Postgraduate Medical Training and Chair of Animal Biochemistry of the Moscow State University.
(MYOCARDIUM metab.)
(HEART FAILURE CONGESTIVE metab.)

VYALYKH, PAVEL NIKOLAYEVICH

EPP
.R93320

MOY OPYT RABOTY NA VYSOKOCHASTOTNOY
USTANOVKE /MY EXPERIENCE IN HIGH FRE-
QUENCY INSTALLATIONS/ LENINGRAD, LEN-
IZDAT, 1957.

53 P. ILLUS., DIAGRS., TABLES
(NOVAT' ORY LENINGRADSKOY PROMYSHLEN-
NOSTI)

ON COVER: TERMIST-VYSOKOCHASTOTNIK.

VYALYKH, Pavel Nikolayevich; CHERVOVA, M.S., redaktor; LEVONNEVSKAYA, L.O.,
tekhnicheskiiy redaktor.

[My work with high-frequency apparatus] Moi opyt raboty na vysoko-
chastotnoi ustanovke. [Leningrad] Lenizdat, 1956. 53 p.
(Metals--Heat treatment) (MLRA 10:4)

VYALYKH, V. A.

Vyalykh, V. A. "On teaching a course in 'Machine details' and lifting-conveying' machines (A discussion based on M. S. Komarov's article "Some problems on the method of teaching a course in Machine Details' in the journal 'Vestnik vyssh. shkoly', 1948, No. 6)."
Vestnik vyssh. shkoly, 1948, No. 12, p. 26-28

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

SIMAGINA, V.A., professor; ~~VYALYKH, V.I.~~

Experience in dispensary treatment of agricultural workers in
Chkalov Province. Sov. med. 18 no.11:35-38 N '54, (MIRA 7:12)

1. Iz kafedry obshchey terapii (zav. prof. V.A.Simagina) Chkalov-
skogo med. instituta i Chkalovskoy klinicheskoy bol'nitsy (glav.
vrach V.I.Vyalykh)

~~(CLINICS~~

in Russia, dispensaries for agricultural workers)

(OUTPATIENTS, SERVICE

in Russia agricultural workers)

L 30992-66 ENT(m)/EWP(j) RM
ACC NR: AP6002510 (A) SOURCE CODE: UR/0286/65/000/023/0017/0018
AUTHORS: Shostakovskiy, M. F.; Atavin, A. S.; Vyalykh, Ye. P.; Trofimov, B. A. 42
ORG: none 15
TITLE: A method for obtaining organotin vinyl glycol esters. Class 12, No. 176582
SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 17-18
TOPIC TAGS: organotin compound, organometallic compound, glycol, ester
ABSTRACT: This Author Certificate presents a preparative method for obtaining organotin vinyl glycol esters by interacting the sodium derivatives of hydroxyl-containing vinyl esters with alkyltin chlorides.
SUB CODE: 07/ SUBM DATE: 19Oct64

Card 1/1 ZC

UDC: 547.419.6.07

SHOSTAKOVSKIY, M.F.; ATAVIN, A.S.; TROFIMOV, B.A.; VYALYKH, Ye.F.

Synthesis of silicon containing cyclic acetals. Zhur. ob.
khim. 35 no.3:466-468 Mr '65. (MIRA 13:4)

1. Irkutskiy institut organicheskoy khimii Sibirskogo
otdeleniya AN SSSR.

SHOSTAKOVSKIY, M.F.; ATAVIN, A.S.; TROFIMOV, B.A.; VYALYKH, Ye.P.

Some conversions of alkoxyasilanes and alkoxyacetoxysilanes
containing acetal rings. Zhur. ob. khim. 35 no.10:1759-1763
O '65. (MIRA 18:10)

1. Irkutskiy institut organicheskoy khimii Sibirskogo
otdeleniya AN SSSR.

ANISHCHENKO, A. K., KOTEL'NIKOV, A. A. and VYALYSHEVA, T. I. (Belorussian Scientific Research Veterinary Institute)

"Evaluation of mineral insufficiency in hens"

Veterinariya, vol. 39, no. 4, April 1962 p. 68

ANISHCHENKO, A.K.; KOTEL'NIKOV, A.S.; VYALYSHEVA, T.I.

Evaluation of mineral deficiency in poultry. Veterinarika 39
no.4:68-70 Apr 1962. (MIRA 17:10)

1. Belorusskiy nauchno-issledovatel'skiy veterinarnyy institut.

BILAY, V.I.; ZANEVICH, V.Yu.; V'YAN, G.A.

Development of fungi in the cotton plant rhizosphere. Mikrobiol.
zhur. 16 no.4:12-18 '54. (MIRA 10:1)

1. 2 Institutu mikrobiologii Akademii nauk URSS.
(COTTON) (FUNGI) (RHIZOPHERE MICROBIOLOGY)

VORONIN, K.I., Ussr Med Sci—(disc) "Preventive interruption of pr disease
and its treatment." Sverdlovsk, 1958. 15 pp (Crimean State Med Inst in
Stalin), 200 copies (K, 31-58, 166)

-99-

VYANKIN, K. I., Cand. Med. Sci., — (diss) "Complex therapy of impending spontaneous disturbance of pregnancy," Krasnodar, 1961, 12 pp, (Kuban State Medical Institute im. Red Army), 200 copies (KL-Supp 9-61, 189)

VYANZHNIKOV, N. F.

N. T. GULTSOV, N. F. VYANZHNIKOV and N. I. PEISIKHIS

G. A. Vol. 24 2759-4

"Rapid annealing of steel strip to obtain granular pearlite" N. T. Gultsov, N. F. Vyanzhnikov and N. I. Peisikhis. *Metallurg* 14, No. 4-5, 63-75 (1939).

Steel contg. C 1.04, Mn 0.25, Si 0.37, S 0.017 and P 0.010% was hot-rolled to 2.55 mm. and then cold-rolled to 1.55 mm. Specimens were then annealed by various methods to a granular pearlitic structure to det. the most rapid method of annealing for subsequent cold rolling. The best procedure was to heat at 770° for 5 min., transfer to Pb bath at 500° for 20 sec. and spheroidize at 700° for 60 min. This gave a tensile strength of 65 kg. per sq. mm. and an elongation of 20%. Steel contg. C 0.67, Mn 0.65, Si 1.45, S 0.016, Al 0.007 and Cr 0.37% was best annealed by heating at 870° for 15 min., transferring to Pb bath at 500° for 2 min. and spheroidizing at 710° for 60 min. This gave a tensile strength of 77 kg. per sq. mm. and an elongation of 17%.

H. H. Fahlmann

BABCHUK, P. (Lyubimskiy rayon, Yaroslavskaya oblast'); VYAPIN, V.;
VERESHENOV, N., instruktor profilaktiki (Nizhniy Tagil)

Readers letters. Pozh. delo 7 no. 2:31 F '61. (MIRA 14:2)

1. Kursant Leningradskogo pozharno-tekhnicheskogo uchilishcha
(for Lyapin).

(Fire prevention)

L 20972-66 EWP(e)/EWT(m)/ZWP(t) IJP(c) JD/WH

ACCESSION NR: AP5017348

UR/0161/65/007/007/2266/2268

AUTHOR: Vyapolin, A. A.; Osmanov, E. O.; Rud', Yu. V.

TITLE: Diamond-like semiconductors in the vitreous state

SOURCE: Fizika tverdogo tela, v. 7, no. 7, 1965, 2266-2268

TOPIC TAGS: electric conductivity, temperature dependence, activation energy, forbidden zone width, glass product, semiconductor

ABSTRACT: In view of the fact that an early investigation (DAN SSSR v. 160, 633, 1965) has shown unexpectedly that some ternary semiconductor components of the $A^{II}B^{IV}C^{2V}$ type ($CdGeAs_2$ and $CdGeP_2$) are produced in the vitreous state, the authors investigated further the glassy structure of $CdGeAs_2$. In the crystalline state this compound is highly homogeneous and has the structure of chalcopyrite. The radial distribution of the electron density was calculated from x-ray structure measurements and compared with that for the atoms in the crystal within the first and second coordination spheres. The results show that the short-range order in the glass is similar to that in the crystal structure. The vitreous $CdGeAs_2$ has p-type conductivity with an electric resistivity $10^{-8} \text{ ohm}^{-1} \text{ cm}^{-1}$ at room temperature. Unlike previously investigated semiconductor glasses, this substance does not have a region of intrinsic conductivity in the 80--670K interval. In the

Card 1/2

L 20972-66

ACCESSION NR: AP5017348

80--200K range the conductivity remains practically constant, but above 200K it increases exponentially. The width of the forbidden band is approximately the same as for the crystalline sample, ~0.6 ev at 295K. It is concluded that only impurity conductivity obtains in the samples up to 670K, and that the activation energy of the impurity level is ~0.55 ev. "The authors thank T. N. Mamontova and G. I. Stepanov for determining the width of the forbidden band." Orig. art. has: 2 figures and 1 formula.

ASSOCIATION: Fiziko-tehnicheskiy institut im. A. F. Ioffe AN SSSR, Leningrad (Physicotechnical Institute AN SSSR)

SUBMITTED: 03Feb65

ENCL: 00

SUB CODE: SS

NR REF SOV: 006

OTHER: 001

Card 2/2 MGS

VIARSHENYA, S.P.

Effect of cultivation on the yield and quality of potatoes planted
in checkrowed hills. Vestsi AN BSSR. Ser. biial. nav. no. 1:60-69
'60. (MIRA 13:6)

(POTATOES)

1. VYASBERG, G. Ye.
2. USSR (600)
4. Antibiotics
7. Combined action of antibiotics of microbes, Antibiotiki 5, No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

NIGMATULLIN, R.Sh.; VYASELEV, M.R.

Oscillographic polarography with the use of stepwise voltage.
Zhur. anal. khim. 19 no.5:545-552 '64. (MIRA 17:8)

1. Kazanskii aviatsionnyi institut.

NIGMATULLIN, R.Sh.; VYASELEV, M.R.; SHATUNOV, V.S.

IDM-2 apparatus for the measurement of dipole moments. Zav.lab.
30 no.4:500-501 '64. (MIRA 17:4)

1. Kazanskiy aviatsionnyy institut.

VIASELEV, M.R.; BUDNIKOV, G.K.; KITAYEV, Yu.P.

Possibility of determining microquantities of organic compounds during their adsorption by using an oscillographic method with stepped polarization voltage. Dokl. AN SSSR 162 no.2:331-334 My '65. (MIRA 18:5)

1. Kazanskiy aviatsionnyy institut. Submitted October 8, 1964.

"APPROVED FOR RELEASE: 09/01/2001

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CIA-RDP86-00513R001961320010-8

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320010-8"

MIROSHNIKOV, A.I.; VYASELEV, M.R.; BELAVIN, V.A.

Oscillographic equipment for recording characteristics of electro-
chemical converters. Trudy KAI no.82:27-33 '64. (MIRA 18:9)

VYASELEV, M.R.

Oscillographic polarography with a stepwise polarizing
voltage. Report No. 2. Zhur. anal. khim. 20 no.10:1048-1053
'65. (MIRA 18:11)

1. Kazanskiy aviatsionnyy institut.

ACCESSION NR: APh033621

S/0032/64/030/004/0500/0501

AUTHORS: Nigmatullin, R. Sh.; Vyaselev, M. R.; Shatunov, V. S.

TITLE: A device for dipole moment measurements IDM-2

SOURCE: Zavodskaya laboratoriya, v. 30, no. 4, 1964, 500-501

TOPIC TAGS: dipole moment, dielectric constant, measuring device IDM 2, beat frequency method, dimethylformamide, chlorobenzene, phenylhydrazone acetaldehyde

ABSTRACT: An IDM-2 device for determining the dipole moment of molecules is described. The dielectric constant of a dilute solution in a nonpolar solvent is measured in a specially constructed capacitor which consists of two concentric glass cylinders between which the investigated solution is poured. The capacitor plates are ordinary foil wrapped around the outside of the larger cylinder and the inside of the smaller. Hence the special capacitor C_s is a series combination of two capacitors: one formed by the glass cylinders C_c and the other by the filled gap $C_p = \epsilon C_0$, where C_0 is the capacitance of the empty gap. The special capacitor is placed in parallel with a precision variable capacitor. The resultant capaci-

Card 1/3

ACCESSION NR: AP4033621

tance controls the output frequency f_1 of a signal generator. The frequency f_1 is mixed with a constant frequency f_0 stabilized by a quartz resonator, which produces a beat frequency $f_1 - f_0$. The variable capacitor is adjusted until the beat frequency is zero. If the capacitance of the special capacitor C_{s1} with a known control solution and C_{sx} with the investigated solution, the difference of the two is the same as the difference ΔC required in the variable capacitor to produce zero beat frequency for the two cases. Then the dielectric constant of the investigated solution is given by

$$\epsilon_x = \frac{C_c(C_{s1} + \Delta C)}{C_c(C_c - (C_{s1} + \Delta C))}$$

The temperature of the special capacitor is thermostatically controlled. Thus the temperature dependence of the dielectric constant can be determined, an example of which is given for dimethylformamide. The dielectric constant can be measured to 0.05% accuracy for $\epsilon = 1 - 3$ and 0.5% for ϵ up to 100. The dipole moment can be computed by the Debye formula for dilute solutions or by the Onsager formula for pure liquids. As an example, the dipole moments of chlorobenzene and phenylhydra-

Card 2/3

ACCESSION NR: AP4033621

zone acetaldehyde (measured in benzene solutions at 250) were found to be 1.59 and 2.52 respectively. Orig. art. has: 2 equations, 1 diagram, and 2 tables.

ASSOCIATION: Kazanskiy aviatsionnyy institut (Kazan Aviation Institute)

SUBMITTED: . 00

DATE ACQ: 28Apr64

ENCL: 00

SUB CODE: *NP*

NO REF SOV: 004

OTHER: 002

Card 3/3

VYACHELEV, N.R.

Use of polarizing voltage in polarography consisting of jumps
of exponential form. Zav. lab. 31 no.1:21-25 '65. (MIRA 18:3)

1. Kazanskiy aviatzionnyy institut.

L 14690-66 EWT(m)/T
ACC NR: AP6005877

SOURCE CODE: UR/0075/65/020/010/1048/1053

32
B

AUTHOR: Vyaselev, M. R.

ORG: Kazan Aviation Institute (Kazanskiy aviatsionnyy institut)

TITLE: Oscillographic polarography with the use of step voltage

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 10, 1965, 1048-1053

TOPIC TAGS: polarographic analysis, cathode polarization, oscillograph

ABSTRACT: Curves of the dependence of the diffusion current on the polarizing step voltage, i. e., theoretical forms of oscillopolarograms, were calculated with the Minsk-11 digital computer by using A. Sevik's formula for the dimensionless current

$$I_p = \frac{1}{2} \sqrt{\frac{E}{2\pi}} \sum_{k=0}^{p-1} \frac{1}{\sqrt{p-k} \operatorname{ch}^2[\beta(k-k_p)]}; p=1, 2, 3, \dots, m.$$

From the curves obtained, graphs of the dependence of the main parameters characterizing an oscillopolarogram on the magnitude of the step were plotted. The theo-

Card 1/2

2

L 14690-66

ACC NR: AP6005877

retical results were compared with actual oscillograms of 10^{-3} M solutions of cadmium and thallium salts and found to be in good agreement. Qualitative fractional differentiation of the oscillograms increased the resolving power (to 45 mV) and sensitivity ($5 \cdot 10^{-8}$ M) of the method of oscillographic polarography employed. Orig. art. has: 6 figures, 1 formula.

SUB CODE: 0709,10 SUBM DATE: 14Oct64/ ORIG REF: 005/ OTH REF: 001

BVK

Card 2/2

ACCESSION NR: AR4014679

S/0271/64/000/001/A008/A008

SOURCE: RZh. Avtomatika, telemekhanika i vy*chislitel'naya tekhnika, 1964, no. 1, Abs. 1A47

AUTHOR: Vyaselev, M. R.

TITLE: Cathode follower with low output resistance for powering a polarograph

CITED SOURCE: Tr. Kazansk, aviats. in-ta, 1963, vy*p. 73, 129-135

TOPIC TAGS: polarograph, cathode follower, voltammetry, polarograph circuit, polarograph power supply

TRANSLATION: A circuit is examined having a voltage transmission coefficient of almost 1 and an output impedance of a few ohms. The design and practical modification of such a circuit for use in supplying a variable-current polarograph are described. Electron tubes are used to provide an enhanced feedback in the circuit for the purpose of decreasing the internal resistance. An actual circuit for use with a 225-cycle square-wave voltage is shown. This design has many advantages over one having transformer-coupled feedback. The amplification factor of the feedback can be made much larger and it can be regulated; consequently the output

Card 1/2

ACCESSION NR: AR4014679

impedance can be made much smaller and controllable. There is no noticeable pulse distortion, and the circuit is smaller than others. Such circuits can be used to measure currents of a given alternating voltage passing through nonlinear single pairs. Orig. art. has: 7 figs. and 1 ref.

SUB CODE: GE

ENCL: 00

DATE ACQ: 19Feb64

Card

2/2

SHATUNOV, V.S.; VYASELEV, M.R.; NIGMATULLIN, R.Sh.

The IDK-1 device for measuring dipole moments. Trudy KAI no.73:
182-183 '63. (MIRA 17:10)

L 39531-66 T GD/JX1167

ACC NR: AT6005739

SOURCE CODE: UR/2529/64/000/082/0027/0033

AUTHOR: Miroshnikov, A. I.; Vyaslov, M. R.; Bolavin, V. A.

ORG: none

TITLE: Oscilloscopic equipment for measuring characteristics of electrochemical transducers

SOURCE: Kazan. Aviatsonnyy institut. Trudy, no. 82, 1964. Radiotekhnika i elektronika (Radio engineering and electronics), 27-33

TOPIC TAGS: electrochemical diode, polarography

ABSTRACT: These characteristics of electrochemical transducers used in polarographic work can be measured by the new equipment: (1) Static I-V charact.; (2) Transient characteristic; (3) Dynamic characteristic. A block diagram of the new outfit contains: a sawtooth, triangular, and square 0.001--100cps voltage generator with a pulse rise from 1 mv/sec to 100 v/sec; a compensator (a 2-stage balanced d-c amplifier); a calibrator with its changeover switch; an oscilloscope with its amplifiers; a photo attachment. The outfit permits segregation of diffusion and capacitive currents. Nine oscillograms illustrate the performance of the outfit. Orig. art. has: 7 figures.

SUB CODE: 20, 09 / SUBM DATE: 03Jul63 / ORIG REF: 002 / OTH REF: 001

Card 1/1 ymb

VYASELEV, R.A.; SOROKIN, N.M.

Some characteristics of the course of peritonitis in patients
with neoplasms. Nauch. trudy Kaz. gos. med. inst. 14:399-401
'64. (MIRA 18:9)

1. Kafedra gosital'noy khirurgii No.1 (zav. - dotsent R.A.
Vyaselev) Kazanskogo meditsinskogo instituta.

~~VIASELY, R.A.~~

On the 75th birthday of Professor N.V.Sokolov. Khirurgiia 33 no.9:
147-148 8 '57. (MIRA 11:4)
(SOKOLOV, NIKOLAI VLADIMIROVICH, 1882-)

VYASELEV, R.A., dotsent

Kazan Medical Institute on the 40th anniversary of the Tatar A.S.S.R.
Kaz. med. zhur. 41 no.3:7-9 My-Je '60. (MIRA 13:9)

1. Direktor Kazanskogo meditsinskogo instituta.
(KAZAN—MEDICAL COLLEGES)

VYASELEV, R.A., dotsent

Paresis of the intestine in peritonitis and following abdominal surgery and their overall treatment with nibuphin. Kaz. med. zhur. no. 2:43-45 Mr-Apr '61. (MIRA 14:4)

1. Kafedra gosspital'noy khirurgii No. 1 (zav. - prof. N.V. Sokolov) Kazanskogo meditsinskogo instituta i khirurgicheskoye otdeleniye 1-y gorodskoy bol'nitsy (glavnyy vrach - Z.A. Sinyavskaya).
(PERITONITIS) (INTESTINES—DISEASES)
(PHOSPHINIC ACID)

8/194/61/000/008/057/092
D201/D304

AUTHORS: Kochergin, S.M. and Vyaseleva, G.Ya.

TITLE: The uniformity of metal distribution at the cathode surface during electrolysis in an ultrasonic field

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1961, 10-11, abstract 8 E77 (Tr. Kazansk. khim.-tekhnolog. in-ta, 1960, no. 29, 67-68)

TEXT: Copper was deposited electrolytically at a cathode, coated with a thin layer of radioactive gallium, (200 g/l $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$; 60 g/l H_2SO_4) at a current density of 30 mA/cm², temperature 30°C, the ultrasound frequency 21 kc/s, intensity ~ 6 W/cm², exposure 20 min. The thickness of the coating thus obtained was 20 microns. The character of metal distribution and the uniformity of the dissolution of the anode were determined by the radio autography method. The results of a series of experiments show that the electrodeposition of copper at the cathode surface in an ultrasonic

Card 1/2

S/194/61/000/008/057/092
D201/D304

The uniformity of metal...

field which proceeds in the above given conditions is more uniform than in usual conditions. The dissolution of anode metal is also more uniform under the effect of US. The uniformity of metal distribution depends on the ultrasonic frequency. 6 references.

[Abstracter's note: Complete translation]

✓
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Card 2/2

KOCHERGIN, S.M.; TERPILOVSKIY, N.N.; VYASELEVA, G.Ya.

Effect of an ultrasonic field on gas saturation in electrolysis.
Nauch.dokl.vys.shkoly; khim. i khim.tekh. no.4:779-781 '58.

(MIRA 12:2)

1. Predstavlena kafedroy fizicheskoy khimii Kazanskogo khimiko-tekhno-
logicheskogo institut.

(Ultrasonic waves)

(Electrolysis)

AUTHORS: Kochergin, S. M., Terpilovskiy, N. N., SOV/156-58-4-43/49
Vyaseleva, G. Ya.

TITLE: The Influence Exerted by the Ultrasonic Field on the Gas
Content During the Electrolysis (Vliyaniye ul'trazvukovogo
polya na gazonapolneniye pri elektrolize)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya
tekhnologiya, 1958, Nr 4, pp 779-781 (USSR)

ABSTRACT: Experimental data were given on the influence exerted by
ultrasonic vibrations on the gas content during the electrolysis
of H_2SO_4 and NaCl as well as NaOH in order to obtain H_2O_2
and Cl_2 . The electrolysis indicated in table 1 was carried out
by means of specially manufactured apparatus. The modification
of the electrolyte resistance factor in dependence on the
gas content at the ultrasonic field was investigated. The
dependence of the gas content on time under influence exerted
by ultrasonics on the electrolyte was investigated. A
considerable reduction of the gas content percentage takes place
in the ultrasonic field due to a decrease of the ohmic resistance
during the analysis. In the course of a more extended electro-
lysis in the ultrasonic field the percentage of gas content

Card 1/2

SOV/156-58-4-43/49

The Influence Exerted by the Ultrasonic Field on the Gas Content During the Electrolysis

becomes constant. In order to obtain hydrogen and chlorine by application of ultrasonics a decrease in electric power consumption takes place.

There are 4 figures and 10 references, 8 of which are Soviet.

ASSOCIATION: Kafedra fizicheskoy khimii Kazanskogo khimiko-tehnologicheskogo instituta (Chair of Physical Chemistry at the Kazan' Chemico-Technological Institute)

SUBMITTED: May 31, 1958

Card 2/2

S/137/61/000/007/008/072
A06J/A101

AUTHORS: Kochergin, S. M.; Vyaseleva, G. Ya.

TITLE: On the uniformity of metal distribution upon the cathode surface under electrolysis in an ultrasonic field

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1961, 21, abstract 70148 ("Tr. Kazansk. khim.-tekhnol. in-ta", 1960, no. 29, 67-68)

TEXT: The radioautograph method was used to investigate the character of metal distribution on the cathode and the uniformity of anode solution for Cu electrolysis while the electrolyzer was irradiated with ultrasound. The electrolyte contained 200 g/l $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ and 60 g/l H_2SO_4 . The electrolysis proceeded at a current density D of 30 ma/cm² and temperature of 30°C. The ultrasonic frequency was 21 KCps, power abt. 6 w/cm². The electrolytic Cu deposited on a cathode previously covered by a thin layer of radioactive Tl. After 20 min of electrolysis radioautographs were taken. Under the conditions indicated the ultrasonic field promotes the uniform distribution of metal on the cathode surface and the uniformity of anode solution. The frequency of the ultrasound affects the uniformity of the metal distribution. ✓

[Abstracter's note: Complete translation]

N. Pleteneva

Card 1/1

KOCHERGIN, S.M.; TERPILOVSKIY, N.N.; VYASELEVA, G.Ya. (Kazan')

Anodic dissolution of copper in an ultrasonic field. Zhur. fiz.
khim. 35 no. 4:917-919 Ap '61. (MIRA 14:5)

1. Kazanskiy khimiko-tekhnologicheskii institut im. S.M. Kirova,
kafedra fizicheskoy i kolloidnoy khimii.
(Copper) (Ultrasonic waves)

KOCHERGIN, S.M.; VYASELEVA, G.Ya.; IZMAYLOV, A.B., doktor tekhn.
nauk, ~~Petsenzent~~; ~~DANILOVA~~, V.V., red.

[Electrodeposition of metals in ultrasonic fields]
Elektroosazhdenie metallov v ul'trazvukovom pole. Mo-
skva, Vysshaya shkola, 1964. 110 p. (MIRA 18:1)

KOCHERGIN, S.M.; VYASELEVA, G.Ya. (Kazan')

Structure and properties of electrolytic deposits of nickel
obtained in the ultrasonic field. Zhur. fiz. khim. 38
no.4:839-844 Ap '64. (MIRA 17:6)

1. Kazanskiy khimiko-tekhnologicheskii institut imeni
S.M. Kirova.

"APPROVED FOR RELEASE: 09/01/2001

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CIA-RDP86-00513R001961320010-8"

... relationship between the amount of hydrogen given off
... and the duration of heating.
... of hydrogen on 1 g of metal; t - time of heating.

Card 4/5

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320010-8

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961320010-8"

VYASELEVA, S. M.

USSR/Medicine - Spirochaeta Pallida
 Effects
 Jan/Feb 49

"Influence of Certain Antibiotics on Spiro-
 chaeta Pallida Culture," S. M. Vyaseleva,
 Chair of Microbiol, Kazan State Med Inst,
 5 pp

"Test Venerei 1 Dermatol" No 1

Motility of Spirochaeta pallida is not always
 an indication of its virulence. Effect of an
 antibiotic should be based on its ability to
 prevent further growth of the microorganism.

65/49197

USSR/Medicine - Spirochaeta Pallida
 (Contd.)
 Jan/Feb 49

Various types of spirochaeta have different re-
 actions to antibiotic preparations. Weak
 penicillin solutions have spirochaetostatic action
 while strong solutions have spirochaetocidal
 action. Types II and V (Kazan types) are most
 resistant to penicillin. Gramicidin has in-
 significant spirochaetocidal action. Aspergillin
 does not retard growth, and is effective only
 against type R and IV spirochaeta.

65/49197

26648 Mikroflora razlichnykh form i zon vospaleniya pul'py. Stomatologiya, 1949,
No. 3, s. 11-17 Bibliot: 9 Nazv.

SO: LETOPIS' NO. 35, 1949

VYASELEVA, S. M.

"Variability of the Diphtheria Bacillus Under the Influence of Antibiotics",
Zhur Mikrobiol, Epidemiol, i Immunobiol, No..2, pp 18-19, 1950.

PA 192774

USSR/Medicine - Antibiotics

Oct 51

"Application of Mycetin in Surgical Practice,"
S. N. Vyaseleva, T. A. Danilova, Sh. Kh. Bey-
bekova, Chair of Microbiol, Kazan' Stomatol
Inst and Hosp Surg Clinic, Kazan' Med Inst

"Khirurgiya" No 10, pp 75-78

Mycetin isolated from Actinomyces violaceum ac-
cording to Krasil'nikov's method gave encourag-
ing results in local application for the treat-
ment of acute inflammatory processes, infected
and slowly healing wounds, and trophic tumors.

192774

USSR/Medicine - Antibiotics (Contd)

Oct 51

Mycetin exerts a bacteriostatic effect on sta-
phylococci, streptococci, and some gram-pos ba-
cilli of the diphtheroid type. Its effect on
gram-neg bacilli is weak. Antibacterial effect
of a strain of Actinomyces violaceum was de-
scribed by Krasil'nikov and Korenyako in 1938.

192774

VYASELEVA, S. N.

VIASEIEVA, S.M.; DANILOVA, T.A.

Effect of penicillin on changes of *Treponema pallidum* in culture. Vest.
vener., Moskva No.1:34-36 Jan-Feb 52.
(CIAM 21:4)

1. Of the Department of Microbiology of Kazan' Medical Stomatological
Institute.

VYASELEVA, S.M.

Cultivating *Treponema pallidum* on the surface of solid nutritive media.
Vest.yen. 1 derm. no.3:59 My-Je '53. (MLRA 6:7)

1. Kafedra mikrobiologii Kazanskogo gosudarstvennogo instituta dlya usov-
vershenstvovaniya vrachev.
(*Treponema*) (Bacteriology--Cultures and culture media)

VYASELEVA, S.M.; DANILOVA, T.A.

Effect of antitoxic serum and bacteriophage upon the *Corynebacterium diph-*
theriae; author's abstract. Zmr.mikrobiol,epid,i immun, no.4:34 Apr '53.
(MLRA 6:6)

1. Kafedra mikrobiologii Kazanskogo meditsinskogo stomatologicheskogo in-
stituta. (Diphtheria) (Toxins and antitoxins) (Bacteriophagy)

VYASELEVA, S.M.

Cultivating *Treponema pallidum* on the surface of solid culture media.
Zhur.mikrobiol.epid.i immun. no.12:55 D '53. (MIRA 7:1)

1. Iz kafedry mikrobiologii (zaveduyushchiy - dotsent N.N.Spasskiy)
Kazanskogo gosudarstvennogo instituta usovershenstvovaniya vrachey.
(*Treponema pallidum*) (Bacteriology--Cultures and culture media)

VIASELEVA, S. K.

"Effect of Various Penicillin Preparations on Treponema pallidum." Dr
Med Sci, Central Inst for the Advanced Training of Physicians, Min Health USSR,
Moscow, 1955 (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (14)

VYASELEVA, S.M.; USTIMENKO, L.M.

Obtaining of Treponema pallidum L-forms under the effect of sera from syphilis patients. Zhur. mikrobiol., epid. i immun. 41 no.12: 104-109 D '64. (MIR 18:3)

1. Kazanskiy institut usovershenstvovaniya vrachey imeni Lenina i Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

VYASELEVA, S.M.; IGNAT'YEVA, O.A.

Pigment variations of diphtheria bacilli. Zhur. mikrobiol. epid.
i immun. 31 no.3:58-62 Mr '60. (MIRA 14:6)

1. Iz kafedry mikrobiologii Kazanskogo instituta usovershenstvo-
vaniyavrachey imeni V.I.Lenina.
(CORYNEBACTERIUM DIPHTHERIAE)

USSR/Microbiology - Antibiosis and Symbiosis. Antibiotics.

F-2

Refs Jour : Ref Zhur - Biol., No 12, 1958, 52774

Author : Vyaseleva, S.M.

Inst :

Title : Effect of Different Penicillin Preparations on Treponema Pallidum. Report I. Effect of Penicillin on Cultural Treponema Pallidum.

Orig Pub : Zh. mikrobiol., epidemiol. i immunobiologii, 1957, No 4, 106-109.

Abstract : In short-time action the cessation of treponema motion and the change in their morphology was caused only by high concentrations of various penicillin preparations. Partial immobilization occurred at a concentration of 5825 units of the amorphous, 12,725 units of crystalline penicillin per ml. A weaker action was noted in an imported crystalline penicillin. Although treponema lost motility, they retained their viability. In long-time action the

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- 23 -

USSR/Microbiology - Antibiosis and Symbiosis. Antibiotics.

F-2

Abs Jour : Ref Zhur - Biol., No 12, 1953, 52775

of treponema changed but little, except for strain V.
The sensitivity of treponema to penicillin following
transfer underwent practically no change. -- T.P.
Vertogradova

Card 2/2

VYASELIVA, S.M.

Effect of various penicillin preparations on *Treponema pallidum*.
Report No.3: Effect of penicillin on tissue *Treponema*. Zhur.mikrobiol.
epid. i immun. 29 no.7:47-53 J1 '58 (MIRA 11:8)

1. Iz TSentral'nogo instituta usovershenstvovaniya vrachey, TSentral'
nogo kozhno-venerologicheskogo instituta i Kazanskogo instituta usov-
ershenstvovaniya vrachey imeni Lenina.

(*TREPONEMA PALLIDUM*, effect of drugs on,
penicillin (Rus))

(*PENICILLIN*, effects,
on *Treponema pallidum* (Rus))

VYASELEVA, S.M.

Effect of various penicillin preparations on *Treponema pallidum*.
Report No.4: Effect of penicillin on *Treponema* in human syphilis
and dynamics of the penicillin content of blood and urine. Zhur.
mikrobiol.epid. i immun. 29 no.7:54 J1'58. (MIRA 11:8)

1. Iz TSentral'nogo instituta usovershenstvovaniya vrachey, TSentral'
nogo kozhnovenerologicheskogo instituta i Kazanskogo instituta
usoverhsenstvovaniya vrachey imeni Lenina.

(SYPHILIS, therapy,

penicillin, eff. on *Treponema* & blood & urine content
(Rus))

(PENICILLIN, ther. use.,

syphilis, eff. on *Treponema* & blood & urine content
(Rus))

USSR/Virology - Human and Animal Viruses.

E

Abs Jour : Ref Zhur Biol., No 1, 1959, 560

Author : Vyaseleva, S.M.

Inst : -

Title : Etiology and Laboratory Basis of Grippe Diagnosis.

Orig Pub : Kazansk. med. zh., 1957, No 2-3, 87-94

Abstract : No abstract.

Card 1/1

- 5 -

VYASELEVA, SARA MUKHAMEDZHANOVNA

VYASELEVA, Sara Mukhamedzhanovna

VYASELEVA, Sara Mukhamedzhanovna (Kazan' State Inst for the Advanced Training of Physicians imeni Lenin, Academic Degree of Doctor of Medical Sciences, based on her defense, 8 March 1955, in the Council of the Central Inst for the Advanced Training of Physicians, of her dissertation entitled: "The effect of various penicillin preparations in Treponema Pallidum." For the Academic Degree of Doctor of Sciences.

SO: Byulleten' Ministerstva, Vysshago Obrazovaniya SSSR, List No 20, 8 October 1955, Decision of Higher Certification Commission Concerning Academic Degrees and Titles.

Vyaseleva, S.M.

VYASELEVA, S.M.

Effects of various penicillin preparations on *Treponema pallidum*.
Report No.2. Morphological changes of *Treponema pallidum* and
experiments of its adaptation to penicillin. Zhur.mikrobiol.epid.
1 immun. 28 no.4:109-115 Ap '57. (MIRA 10:10)

1. Iz kafedry mikrobiologii Tsentral'nogo instituta usovershenstvovaniya vrachey i kafedry mikrobiologii Kazanskogo instituta usovershenstvovaniya vrachey imeni V.I.Lenina.

(*TREPONEMA PALLIDUM*, eff. of drugs on
penicillin, morphol. changes & adaptation)
(PENICILLIN, eff.

on *Treponema pallidum*, morphol. changes & adaptation to)